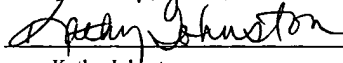


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Assistant Commissioner for Patents, Washington, D.C. 20231, on August 6 1999.


Kathy Johnston

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of:

Richard C. Allen and Michael Cornfeldt

Serial No.: 09/289,576

Filing Date: April 9, 1999

For: METHODS OF TREATING
SCHIZOPHRENIA

Examiner: Unknown

Group Art Unit: 1614

PROSECUTION BY ASSIGNEE AND POWER OF ATTORNEY
UNDER 37 C.F.R. § 3.71

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

Titan Pharmaceuticals, Inc., the assignee of the entire right, title and interest in this patent application, under 37 C.F.R. § 3.71 hereby appoints:

Mani Adeli (Reg No. 39,585)
Erwin J. Basinski (Reg No. 34,773)
Sean Brennan (Reg No. 39,917)
Nicholas Buffinger (Reg No. 39,124)
Mark R. Carter (Reg No. 39,131)
Thomas E. Ciotti (Reg No. 21,013)
Stephen C. Durant (Reg No. 31,506)
Frank Wu (Reg No. 41,386)
Douglas Hodder (Reg No. 41,840)
Madeline I. Johnston (Reg No. 36,174)
Ararat Kapouytian (Reg No. 40,044)
Kawai Lau (Reg No. P-44,461)

Sanjay Bagade (Reg No. 42,280)
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Robert Saltzberg (Reg No. 36,910)
Suzannah K. Sundby (Reg No. 43,172)
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all of Morrison & Foerster LLP, 755 Page Mill Road, Palo Alto, California 94304-1018, telephone (650) 813-5600, to prosecute this application and transact all matters in the United States Patent and Trademark Office connected therewith, said appointment to be to the exclusion of the inventors and their attorneys in accordance with the provisions of 37 C.F.R. § 3.71 provided that if any one of said attorneys or agents ceases being affiliated with the law firm of Morrison & Foerster as partner, employee or of counsel, such attorney's or agent's appointment as attorney or agent and all powers derived therefrom shall terminate on the date such attorney or agent ceases being so affiliated.

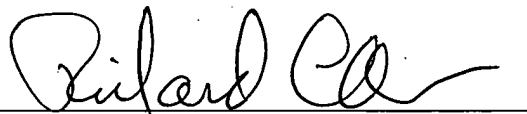
Please direct all written communications relative to this application to:

Nicholas S. Buffinger
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Please direct all telephone communications to Nicholas S. Buffinger at (650) 813-5816.

Titan Pharmaceuticals, Inc.
a Delaware corporation

Dated: 8/3, 1999

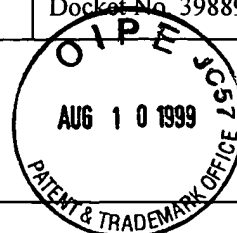


Name: Richard C. Allen
Title: Executive Vice President, Cell Therapy
Address: Post Office Plaza
50 Division Street, Suite 503
Somerville, NJ 08876

CERTIFICATE UNDER 37 C.F.R. § 3.73(b)

Docket No. 398892000600

In the application of: Richard C. Allen and Michael Cornfeldt
 Serial No.: 09/289,576
 Filed: April 9, 1999
 For: METHODS OF TREATING SCHIZOPHRENIA



Titan Pharmaceuticals, Inc., certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of either:

A. ☒ An assignment from the inventors of the patent application identified above. The assignment was recorded in the Patent and Trademark Office at Reel *, Frame *, or for which a copy thereof is attached.

OR

B. ☐ A chain of title from the inventor(s) of the patent application identified above, to the current assignee as shown below:

1. From : *

To: *

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2. From : *

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☐ Additional documents in the chain of title are listed on a supplemental sheet.

☐ Copies of assignments or other documents in the chain of title are attached.

The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned (whose title is supplied below) is empowered to sign this certificate on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Dated: 8/3/99

A handwritten signature of Richard C. Allen.

Name: Richard C. Allen

Title: Executive Vice President, Cell Therapy